



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/764,330

DATE: 08/20/2004
TIME: 10:46:02

Input Set : A:\SEQ.Listing.ST25.txt.txt
Output Set: N:\CRF4\08202004\J764330.raw

3 <110> APPLICANT: Cooke, Michael P.
 4 Sauer, Karsten
 5 Wiltshire, Tim
 6 Tarantino, Lisa
 7 Fletcher, Colin
 8 Wen, Ben
 10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING T LYMPHOCYTES
 12 <130> FILE REFERENCE: P1097US10
 14 <140> CURRENT APPLICATION NUMBER: US 10/764,330
 15 <141> CURRENT FILING DATE: 2004-01-23
 17 <150> PRIOR APPLICATION NUMBER: US 60/442,792
 18 <151> PRIOR FILING DATE: 2003-01-25
 20 <160> NUMBER OF SEQ ID NOS: 4
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 1192
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Mus musculus
 29 <400> SEQUENCE: 1
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 39 Phe Ala Leu Cys Pro Pro Pro Arg Pro Cys Cys Ser Ile Ser Ala Gln
 40 35 40 45
 43 Ser Tyr Gly Arg Arg Ala Ser Gly Thr Lys Pro Arg Ala Ala Gly Gly
 44 50 55 60
 47 Gly Gly Ala Gly Gly Ala Gly Arg Arg Ala Ala Ala Gly Gly
 48 65 70 75 80
 51 Pro Cys Thr Met Ala Val Tyr Cys Tyr Ala Leu Asn Ser Leu Val Ile
 52 85 90 95
 55 Met Asn Ser Thr Asn Glu Leu Lys Ser Gly Gly Pro Arg Pro Ser Gly
 56 100 105 110
 59 Ser Glu Thr Pro Gln Pro Ser Gly Arg Ala Ala Leu Ser Pro Gly Ser
 60 115 120 125
 63 Val Phe Ser Pro Gly Arg Gly Ala Ser Phe Leu Phe Pro Pro Ala Glu
 64 130 135 140
 67 Ser Leu Ser Leu Glu Glu Pro Gly Ser Pro Gly Gly Trp Arg Ser Gly
 68 145 150 155 160
 71 Arg Arg Arg Leu Asn Ser Ser Ser Gly Ser Gly Gly Ser Ser Ser
 72 165 170 175
 75 Ser Asn Ser Ser Ser Ser Gly Val Gly Ser Pro Ser Trp Ala Gly
 76 180 185 190

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79 Arg Leu Arg Gly Asp Ala Gln Gln Val Val Ala Ala Arg Ile Leu Ser
 80 195 200 205
 83 Pro Pro Gly Pro Glu Glu Ala Gln Arg Lys Leu Arg Ile Leu Gln Arg
 84 210 215 220
 87 Glu Leu Gln Asn Val Gln Val Asn Gln Lys Val Gly Met Phe Glu Ala
 88 225 230 235 240
 91 Gln Ile Gln Ala Gln Ser Ser Ala Ile Gln Ala Pro Arg Ser Pro Arg
 92 245 250 255
 95 Leu Gly Arg Ala Arg Ser Pro Ser Pro Cys Pro Phe Arg Ser Ser Ser
 96 260 265 270
 99 Gln Pro Pro Glu Arg Val Leu Ala Pro Cys Ser Pro Ser Glu Glu Arg
 100 275 280 285
 103 Arg Thr Lys Ser Trp Gly Glu Gln Cys Thr Glu Thr Pro Asp Thr Asn
 104 290 295 300
 107 Ser Gly Arg Arg Ser Arg Leu Ser Thr His Pro Ser Lys Asp Lys Glu
 108 305 310 315 320
 111 Gly Val Ala Pro Leu Leu Gly Pro Ala Ser Pro Thr Arg Leu Gly Thr
 112 325 330 335
 115 Gln Ser Pro Ser Thr Ser Val Arg Met Glu Arg Gly Thr Pro Ala Ser
 116 340 345 350
 119 Pro Arg Cys Gly Ser Pro Thr Pro Met Glu Thr Asp Lys Arg Val Ala
 120 355 360 365
 123 Pro Ser Leu Glu Arg Phe Gly Thr Ser Leu Thr Leu Ala Thr Lys Val
 124 370 375 380
 127 Ala Ala Ser Ala Ala Ser Ala Gly Pro His Pro Gly His Asp Ser Ala
 128 385 390 395 400
 131 Leu Met Glu Thr Gly Cys Glu Leu Gly Gly Met Arg Pro Trp Glu Ala
 132 405 410 415
 135 Gln Met Glu Arg Arg Gly Gln Phe Leu Gly Lys Glu Thr Gly Ser Thr
 136 420 425 430
 139 Pro Glu Pro Val Arg Thr His Met Arg Glu Pro Pro Gly Arg Val Gly
 140 435 440 445
 143 Arg Gly Ile His Ser Val Gly Gly Gln Gly Ser Trp Thr Pro Glu Val
 144 450 455 460
 147 Ile Lys Arg Pro Glu Glu Arg Ala Val Thr Ala Gln Ser Ser Glu Pro
 148 465 470 475 480
 151 Ser Glu Asp Pro Arg Trp Ser Arg Leu Pro Val Asp Leu Asp Ser Val
 152 485 490 495
 155 Gly Pro Glu Lys Gly Gly Asn Arg Ile Pro Gly Met Arg Gly Pro Gln
 156 500 505 510
 159 Gln Thr Leu Asp Ser Glu Arg Glu Gly Ser Pro Ala Leu Gly Leu Leu
 160 515 520 525
 163 Gly Gly Ser Gln Ala Ala Gln Pro Gly Ala Arg Gly Val Glu Glu Asp
 164 530 535 540
 167 Val His Tyr Gly Arg Met Leu Glu Pro Leu Pro Pro Gly Glu Val Thr
 168 545 550 555 560
 171 Thr Lys Leu Lys Glu Pro Gln Cys Leu Pro Gly Asp Arg Met Gly Met
 172 565 570 575
 175 Gln Pro Glu Ser Ser Ile Val Trp Pro Ser Ala Leu Glu Glu Ala Pro

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176	580	585	590
179	Leu Ile Trp Thr Arg Asp Thr Gly Val Gln Ser Lys Gly Thr Trp Gly		
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183	Ser Gln Leu Pro Asp Gly Asp Ala His Pro Ser Cys Gln Glu Met Pro		
184	610	615	620
187	Pro Asp Gln Lys Asp Lys Ala Ser Leu Lys Glu Ala Cys Ser Pro Ser		
188	625	630	635
191	Asn Ile Pro Ala Ile Pro Ala Val Ile Ile Thr Asp Met Gly Ala Gln		
192	645	650	655
195	Glu Asp Gly Gly Leu Glu Glu Ile Gln Gly Ser Pro Arg Gly Pro Leu		
196	660	665	670
199	Pro Leu Arg Lys Leu Ser Ser Ser Ala Ser Ser Thr Gly Phe Ser		
200	675	680	685
203	Ser Ser Tyr Asp Asp Ser Glu Glu Asp Ile Ser Ser Asp Pro Glu Arg		
204	690	695	700
207	Thr Leu Asp Pro Asn Ser Ala Phe Leu His Thr Leu Asp Gln Gln Lys		
208	705	710	715
211	Pro Arg Val Ser Lys Ser Trp Arg Lys Ile Lys Asn Met Val Gln Trp		
212	725	730	735
215	Ser Pro Phe Val Met Ser Phe Lys Lys Tyr Pro Trp Ile Gln Leu		
216	740	745	750
219	Ala Gly His Ala Gly Ser Phe Lys Ala Ala Ala Asn Gly Arg Ile Leu		
220	755	760	765
223	Lys Lys His Cys Glu Ser Glu Gln Arg Cys Leu Asp Arg Leu Met Ala		
224	770	775	780
227	Asp Val Leu Arg Pro Phe Val Pro Ala Tyr His Gly Asp Val Val Lys		
228	785	790	795
231	Asp Gly Glu Arg Tyr Asn Gln Met Asp Asp Leu Leu Ala Asp Phe Asp		
232	805	810	815
235	Ser Pro Cys Val Met Asp Cys Lys Met Gly Val Arg Thr Tyr Leu Glu		
236	820	825	830
239	Glu Glu Leu Thr Lys Ala Arg Lys Lys Pro Ser Leu Arg Lys Asp Met		
240	835	840	845
243	Tyr Gln Lys Met Val Glu Val Asp Pro Glu Ala Pro Thr Glu Glu Glu		
244	850	855	860
247	Lys Ala Gln Arg Ala Val Thr Lys Pro Arg Tyr Met Gln Trp Arg Glu		
248	865	870	875
251	Thr Ile Ser Ser Thr Ala Thr Leu Gly Phe Arg Ile Glu Gly Ile Lys		
252	885	890	895
255	Lys Glu Asp Gly Ser Val Asn Arg Asp Phe Lys Lys Thr Lys Thr Arg		
256	900	905	910
259	Glu Gln Val Thr Glu Ala Phe Arg Glu Phe Thr Lys Gly Asn Gln Asn		
260	915	920	925
263	Ile Leu Ile Ala Tyr Arg Asp Arg Leu Lys Ala Ile Arg Ala Thr Leu		
264	930	935	940
267	Glu Ile Ser Pro Phe Phe Lys Cys His Glu Val Ile Gly Ser Ser Leu		
268	945	950	955
271	Leu Phe Ile His Asp Lys Lys Glu Gln Ala Lys Val Trp Met Ile Asp		
272	965	970	975

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275 Phe Gly Lys Thr Thr Pro Leu Pro Glu Gly Gln Thr Leu Gln His Asp
 276 980 985 990
 279 Val Pro Trp Gln Glu Gly Asn Arg Glu Asp Gly Tyr Leu Ser Gly Leu
 280 995 1000 1005
 283 Asp Asn Leu Ile Asp Ile Leu Thr Glu Met Ser Gln Gly Ser Pro
 284 1010 1015 1020
 287 Leu Thr Gly His Arg His Arg Ala Pro Cys His Phe Ala Arg His
 288 1025 1030 1035
 291 Leu Cys Leu Ser Pro Leu Ser Ser Pro Asn Ser Ser Phe Ser Cys
 292 1040 1045 1050
 295 Leu Ser Ala Tyr Leu Glu Gln Ser Leu Pro Ser Ala Leu Gln Asp
 296 1055 1060 1065
 299 Thr Leu Glu Lys Lys Lys Arg Phe Phe Phe Ser Arg Ser Leu Leu
 300 1070 1075 1080
 303 Pro Arg Pro Pro Thr Gly Leu Gly Gly Gly Val Ser His Ala Leu
 304 1085 1090 1095
 307 Ile Glu Pro Pro Ser Arg Arg Glu Leu His Lys Ala Arg Pro His
 308 1100 1105 1110
 311 Ile Leu Leu His Ser Glu Ser Ala Arg Val Gln Lys Ala Val Ser
 312 1115 1120 1125
 315 Leu Val Ala Ser Leu Glu Arg Leu Ser Leu Pro Leu Gly Asp Thr
 316 1130 1135 1140
 319 Ala Pro Leu Pro Glu Asn Ser Gly Pro His Trp Leu Pro Val Gly
 320 1145 1150 1155
 323 Ala Leu Leu Pro Pro Ser Gly Cys His Gln Ala Gln Ser His Leu
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 332 1190
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 343 aagagcccg gcccggccgg gcccagtggc agcgagacgc ccccccccccc gaggaggcca 120
 345 gtgctgagcc ccggcagcgt tttcagcccc gggagaggcg cctctttctt cttccccc 180
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 349 aggctgaata gtagcagcgg cagtggcagc ggcagcagcg gcagtagcgt gagcagccca 300
 351 agttggctg gtcgcctcgc aggggaccgg cagcagggtt tggcagccgg taccctctcc 360
 353 cccgcaggcc cggaggaggc caagaggaag ctgcggatct tgcaagcgcga gttgcagaac 420
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 361 aggacaaaagt cttggggggaa gcaatgtcca gagacttcag gaaccgactc cgggaggaaaa 660
 363 ggagggccca gcctatgctc ctgcaggtt aagaaaggaa tgccacctt tcccgccgg 720
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369	cctaccccg gaaactcgag ctgccttagct ccctcattgg ggctgttcgg agctagctta	900
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373	cttgccctca ctgagccgtc tggggagagcc cgtgagctg aggacctgca gccccccagag	1020
375	gccctgggtgg agaggcaggc gcagtttctg ggcagtgaga caagcccgc cccagaaaagg	1080
377	ggcggggcccc gcgatggaga accccctggg aagatgggg aaggatatact gccctgtggc	1140
379	atgccccggct ctggggagcc tgaagtgggc aaaaggccag aggagacgac tgtgagcgtg	1200
381	caaagcgcag agtcctctga tgccctgagc tgggtccaggc tgcccaggc cctggcctcc	1260
383	gtagggccctg aggaggcccg aagtggggcc cccgtggcg gggggcgttg gcagctctcc	1320
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387	ccggggaccg ggaatgtgga ggcgggaaatt cttctggca gaatgctgga gcctttgccc	1440
389	tgttgggacg ctgcgaaaga tctgaaaagaa cctcagtgcc ctccctggga caggggtgggt	1500
391	gtgcagccctg ggaactccag gtttggcag ggcaccatgg agaaagccgg tttggcttgg	1560
393	acgcgtggca caggggtgca atcagagggg acttgggaaa gccagcggca ggacagtgtat	1620
395	gccctcccaa gtccggagct gctaccccaa gatcaggaca agccttcct gaggaaggcc	1680
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417	aagaagccca gcctgcggaa ggacatgtac cagaagatga tcgaggtgga ccccgaggcc	2340
419	cccaccgagg agaaaaaaagc acagcgggct gtgaccaagc cacggtacat gcagtggcgg	2400
421	gagaccatca gctccacggc caccctgggg ttctggatcg agggaatcaa aaaagaagac	2460
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425	agagagttca ctaaaggaaa ccataaacatc ctgatcgct atcgggaccg gctgaaggcc	2580
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429	tcctcttca tccacgacaa gaaggaacag gccaaagtgtt ggtatgtcga ctttgggaaa	2700
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450	gagtgcgtgt cgctggagga gcctgggagt gctgggggtt ggcgcagcgg ccgacggagg	240
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454	ggcgtggca gtcccagttt ggctggccgc ctgcgagggg acgcgcagca ggtggcgg	360
456	acccgcattcc tctcccccacc tggggccggag gaggcccaga ggaagctgag gattctgcag	420
458	cgcgaattgc aaaatgtgca ggtgaaccag aaagtggca tggcggagc gcaaattccag	480
460	gcacagacccct ctgctattca agcgcggccga agccgcgtt tggtagggc tcgttgcggcc	540
462	tccctgttc cttccgaag cagcagccag cttccctgaaa ggttcttggc tccatgttcc	600

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